AUTOMATIC TRANSMISSION TOOLS

33840

CATALOG NO. AD-447

HYDRA-MATIC • POWERFLITE
JETAWAY • FORDOMATIC • DYNAFLOW
STRATOFLITE • TORQUE-FLITE
CRUISE-O-MATIC • POWERGLIDE
TURBO-DRIVE • MERCOMATIC
CONTROLLED COUPLING • TURBOGLIDE

N·A·P·A
Assurance of Quality

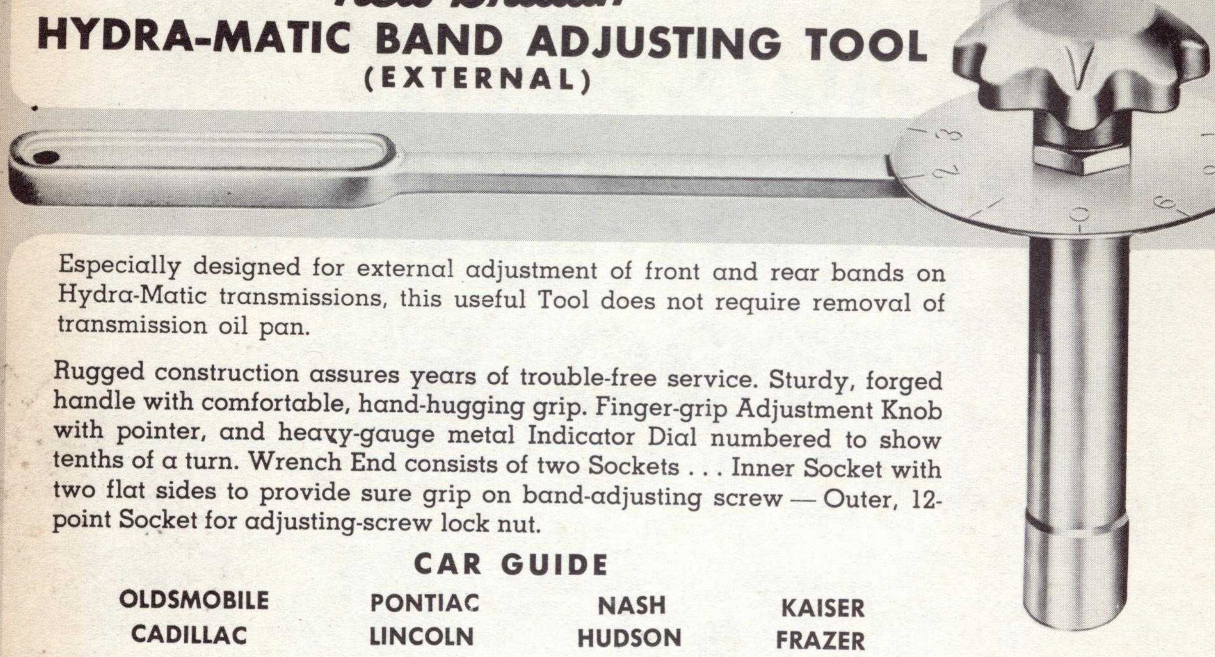
New Britain
HAND TOOLS

THE NEW BRITAIN MACHINE CO., NEW BRITAIN, CONN., U.S.A.

HYDRA-MATIC TOOLS

FOR ALL 1946-55 HYDRA-MATIC TRANSMISSIONS

New Britain
HYDRA-MATIC BAND ADJUSTING TOOL
(EXTERNAL)



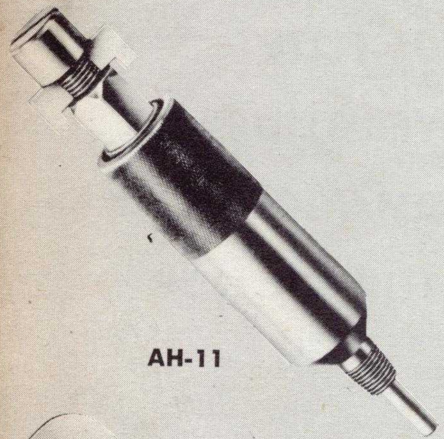
Especially designed for external adjustment of front and rear bands on Hydra-Matic transmissions, this useful Tool does not require removal of transmission oil pan.

Rugged construction assures years of trouble-free service. Sturdy, forged handle with comfortable, hand-hugging grip. Finger-grip Adjustment Knob with pointer, and heavy-gauge metal Indicator Dial numbered to show tenths of a turn. Wrench End consists of two Sockets . . . Inner Socket with two flat sides to provide sure grip on band-adjusting screw — Outer, 12-point Socket for adjusting-screw lock nut.

CAR GUIDE

OLDSMOBILE
CADILLAC
PONTIAC
LINCOLN
NASH
HUDSON
KAISER
FRAZER

Part No.	Length	Wgt.
AH-10	12¼″	2 lbs. 4 oz.



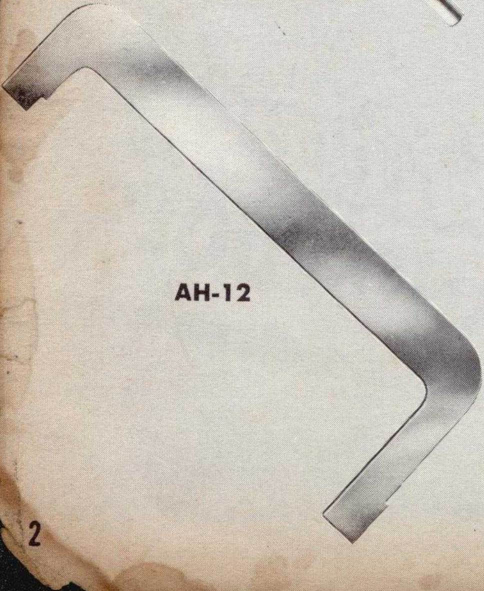
AH-11

HYDRA-MATIC
FRONT BAND ADJUSTING TOOL

FOR ALL 1946-55 HYDRA-MATIC TRANSMISSIONS

This accurate Tool is designed for internal adjustment (transmission oil pan removed) of front bands on Hydra-Matic transmissions. Essential for transmission overhauls, the Tool may be used while Hydra-Matic unit is in the car or on the bench. Combines ruggedness and precision. Sliding gib assures accurate adjustment.

Part No.	Length	Wgt.
AH-11	4¾″	10 oz.



AH-12

HYDRA-MATIC
REAR BAND ADJUSTMENT GAUGE

FOR ALL 1946-55 HYDRA-MATIC TRANSMISSIONS

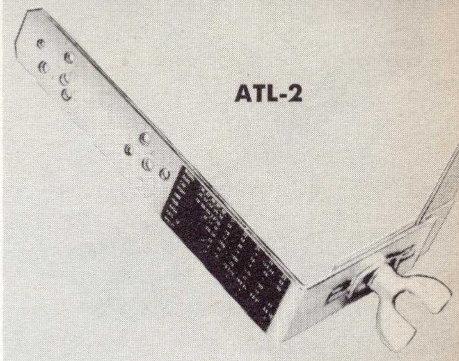
For internal adjustment of rear bands (oil pan removed), this snap-type Gauge assures accurate adjustment meeting manufacturers' specifications.

Part No.	Dimensions	Wgt.
AH-12	5¾″x2¼″	4 oz.

UNIVERSAL THROTTLE ARM GAUGE

For all 1946-55 HYDRA-MATIC transmissions. Gauge is used during adjustment of throttle linkage to check outer throttle arm for precise position (front to rear and left to right) insuring proper relationship between movement of carburetor throttle valve and transmission throttle arm throughout entire driving range. Gauge complete with Set of 3 Throttle Linkage Pins (ATL-1).

Part No.	Wgt.
ATL-2	1 lb.

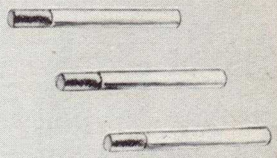


ATL-2

THROTTLE LINKAGE PINS

For most HYDRA-MATIC transmissions. These precision ground Pins are used as specified by car manufacturers for adjustment of external throttle linkage.

Part No.	No. in Carton
ATL-1	Set of 3

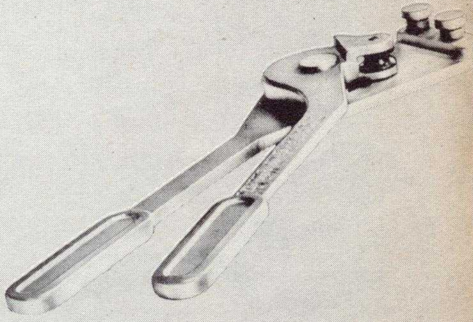


ATL-1

UNIVERSAL THROTTLE ARM BENDER

For all 1946--55 HYDRA-MATIC transmissions except 1955 Pontiac and 1956-59 Olds. The Universal Throttle Arm Bender is used during adjustment of throttle linkage to adjust position of transmission outer throttle arm, insuring proper relationship between movement of carbureter throttle valve and transmission throttle arm throughout entire driving range. Four-position slip joint permits adjustment of Tool for bending any HYDRA-MATIC throttle arm.

Part No.	Wgt.
ATL-3	3¼ lbs.

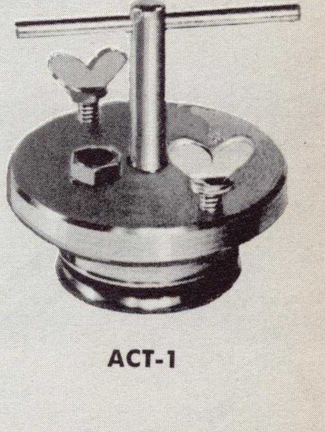


ATL-3

FRONT & REAR CLUTCH TESTER

For all 1946-55 HYDRA-MATIC and all 1950-59 Powerglide transmissions. Tests for leaks in Annular Piston Seals before front and rear Planetary units are placed in Transmission case.

Part No.	Wgt.
ACT-1	1½ lbs.

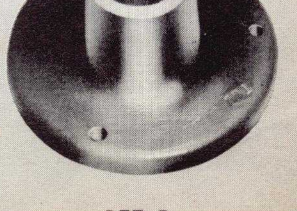


ACT-1

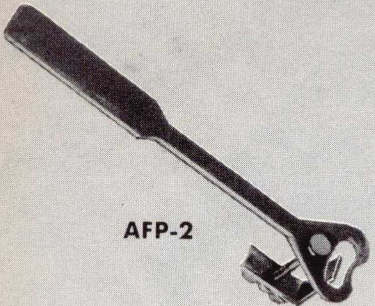
FRONT PLANETARY HOLDER

For all 1946-55 HYDRA-MATIC transmissions. Attached to bench, Fixture holds shaft upright as parts are assembled.

Part No.	Wgt.
AFP-1	3 lbs.



AFP-1

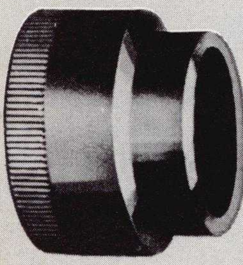


AFP-2

FRONT PUMP HOLDER

For all 1946-55 HYDRA-MATIC transmissions. Holder facilitates removal of Front Pump Attaching Screws. Chrome finished alloy steel Holder, with reversible L-shaped Bracket which permits adjustment to fit any HYDRA-MATIC Front Pump.

Part No.	Wgt.
AFP-2	4 oz.

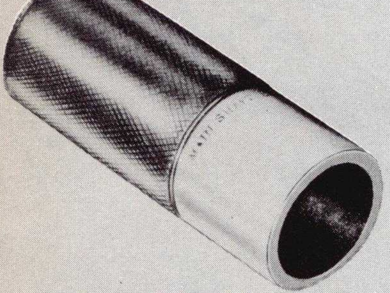


AGS-1

GOVERNOR SLEEVE ALIGNING TOOL

For all 1951-55 HYDRA-MATIC transmissions. This precision-machined concentric Gauge fits snugly over Governor sleeve, may be used when transmission is in or out of car to assure proper alignment of Governor in housing.

Part No.	Wgt.
AGS-1	6 oz.

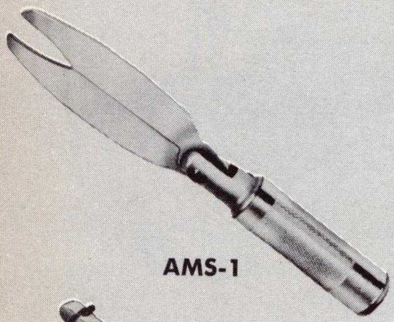


AME-1

MAINSHAFT END PLAY CHECKING TOOL

For all 1946-55 HYDRA-MATIC transmissions. Tool is used in conjunction with Dial Indicator and Dial Indicator Extension Rod. The Tool centers mainshaft and insures accurate measurement of mainshaft end play by Dial Indicator before disassembly and after assembly.

Part No.	Wgt.
AME-1	2 lbs.

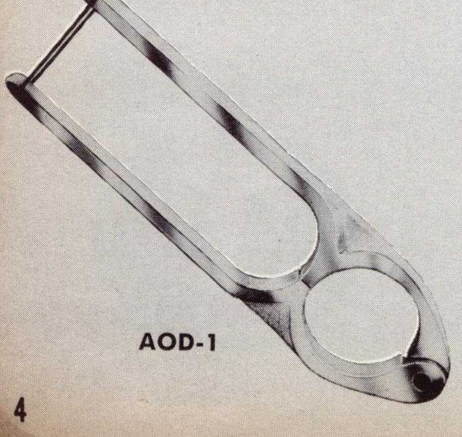


AMS-1

OPEN-TYPE SNAP RING REMOVER

For all 1946-55 HYDRA-MATIC transmissions. Tool removes any size open-type snap ring quickly and easily without damaging shaft and without requiring careful positioning of the Snap Ring Remover.

Part No.	Wgt.
AMS-1	¾ lb.



AOD-1

OIL DELIVERY SLEEVE RING COMPRESSOR

For all 1946-55 HYDRA-MATIC transmissions. Compressor prevents breakage of lower oil seal rings when installing oil delivery sleeve into front clutch unit. Compressor is used in a similar manner to prevent breakage when rear clutch unit is assembled over upper oil delivery sleeve rings.

Part No.	Wgt.
AOD-1	1 lb.

New Britain

REAR CLUTCH RETAINING BRACKET

For all 1946-55 HYDRA-MATIC transmissions. Zinc-finshed Steel Bracket prevents rear Clutch unit from becoming disassembled while being mounted on planet carrier. Also prevents mcvement of rear Clutch Brake Drum while assembled Planetary units are being placed in Transmission case. Bracket is held in place by one Drive Flange Attaching Bolt

Part No.	Wgt.
ARC-1	2 oz.

MULTI-PURPOSE CLUTCH SPRING COMPRESSOR

For HYDRA-MATIC transmissions. Eliminates press, simplifies removal and replacement of front and rear Clutch Cover Snap Rings (all 1946-55 HYDRA-MATIC transmissions) and Reverse Cone Clutch Piston Retainer (all 1951-55 HYDRA-MATIC transmissions).

Part No.	Wgt.
ARC-2	6¾ lbs.

REVERSE CONE CLUTCH INSTALLER

For all 1951-55 HYDRA-MATIC transmissions. Blue spring steel band prevents damage to Neoprene Piston Seal during installation of Reverse Cone Clutch Piston in Rear Bearing Retainer Housing.

Part No.	Wgt.
ARC-3	2 oz.

REAR SERVO SPRING COMPRESSOR

For all 1946-55 HYDRA-MATIC transmissions. This compact Compressor facilitates assembly and disassembly of the rear Servo. Releases Apply Spring tension safely during disassembly, compresses spring during assembly. Eliminates press, prevents ring breakage, saves time and trouble.

Part No.	Wgt.
ARS-1	6 lbs.

REAR UNIT HOLDING TOOL

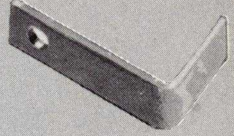
For all 1946-55 HYDRA-MATIC transmissions. Tool is used to prevent rotation of rear Planetary unit in Transmission case while reverse flange Attaching Bolts are tightened or loosened.

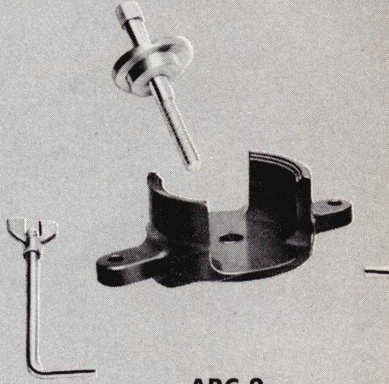
Part No.	Wgt.
ARU-1	1 lb.

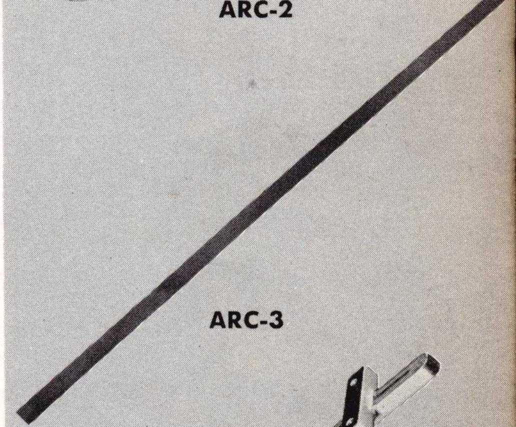
SPEEDOMETER DRIVE GEAR SPACER GAUGE

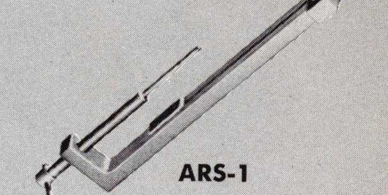
For all 1946-50 HYDRA-MATIC transmissions except Cadillac and Lincoln. Accurate and easy to use, this zinc-finished Spacer Gauge assures correct placement of Speedometer Drive Gear on output shaft, in proper position to engage Speedometer Driven Gear when Rear Bearing Retainer Housing is installed.

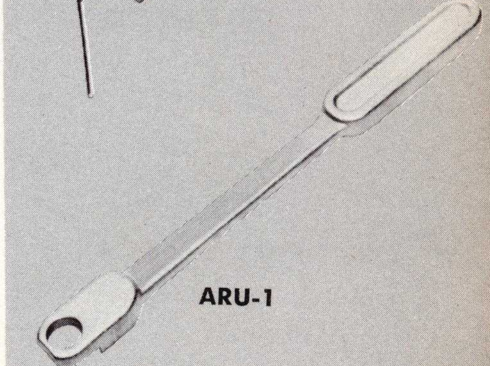
Part No.	Wgt.
AS-1	2 oz.

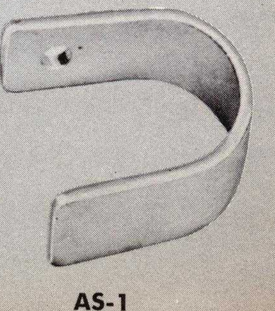

ARC-1

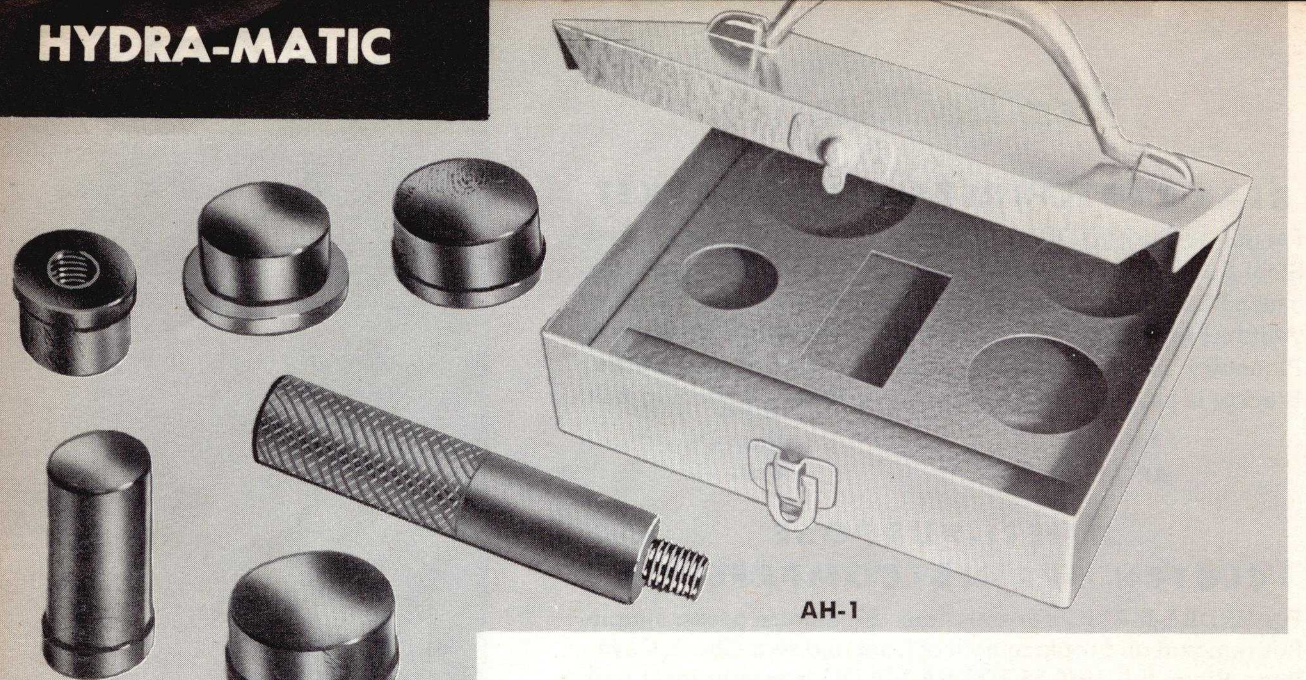

ARC-2


ARC-3


ARS-1


ARU-1


AS-1



AH-1

New Britain

BUSHING REMOVER AND INSTALLER SET

For all 1946-55 HYDRA-MATIC transmissions. The Bushing Remover & Installer Set is used as illustrated to replace worn bronze and babbitt bushings quickly and easily. It saves time and money by eliminating the need to replace costly transmission components simply to remedy bushing wear. Carefully engineered and precision made, these useful Tools provide the accurate fit that prevents damage to bushings during removal and installation.

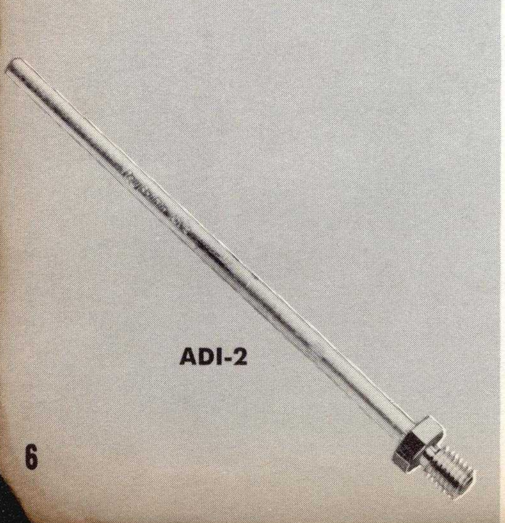
Part No.	Description	Std. Pkg.
AH-1	Set, complete with Metal Box, Driver and 5 Adapters	1
AH-2	Adapter: Front Pump Bushing	1
AH-3	Adapter: Rear Clutch Drum Bushing	1
AH-4	Adapter: Oil Delivery Sleeve Bushing	1
AH-5	Adapter: Front Drum Bushing	1
AH-6	Adapter: Reverse Internal Gear Bushing	1
AH-7	Driver	1

DIAL INDICATOR EXTENSION ROD

For all 1946-55 HYDRA-MATIC transmissions. Steel Extension Rod screws into transmission case, supports Dial Indicator (shown on page 18) or Gauge for checking mainshaft end clearance.

Part No.	Wgt.
ADI-2	**6 oz.**

ADI-2



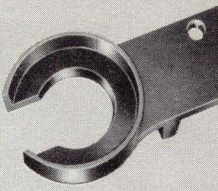
Universal Tools for all Transmissions are shown on Pages 18, 19, and 20.

JETAWAY TOOLS

CLUTCH UNIT HOLDING FIXTURE

For 1956-59 Cadillac, Oldsmobile, Pontiac and Nash. Positions the clutch unit for easy assembly and disassembly. Durable steel castings. Rustproof Black Oxide finish.

Part No.	Weight
AJ-1	**3 lbs. 1 oz.**

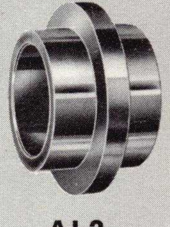


AJ-1

FLYWHEEL HOUSING OIL SEAL INSTALLER

For 1956-59 Cadillac, Oldsmobile, Pontiac, and Nash. Permits easy installation of oil seal. Prevents seal distortion that causes oil leakage. Used with Seal Driver Adapter Handle No. ASD-8

Part No.	Weight
AJ-2	**1 lb. 4 oz.**

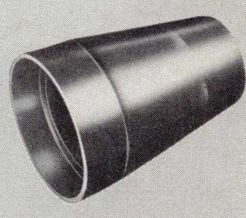


AJ-2

FLYWHEEL HOUSING OIL SEAL PROTECTOR

For 1956-59 Cadillac, Oldsmobile, Pontiac and Nash. Protector is made from soft plastic to prevent damage to seal and bushing during disassembly and assembly operation.

Part No.	Weight
AJ-3	**1 lb. 8 oz.**

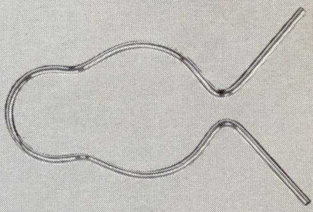


AJ-3

REVERSE DRIVE FLANGE RETAINER

For 1956-59 Cadillac, Oldsmobile, Pontiac and Nash. Prevents the selective washer from dropping out of position while assembling the transmission. Made of durable spring steel.

Part No.	Weight
AJ-4	**1 oz.**

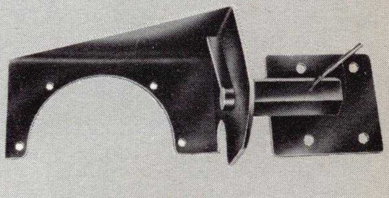


AJ-4

TRANSMISSION HOLDING FIXTURE

For 1956-59 Cadillac, Oldsmobile, Pontiac and Nash. Enables mechanic to work on all parts and sides of the transmission conveniently. Transmission can be rotated full 360° and can be held stationary in any of four positions. Speeds up the job because the part you are working on is always in front of you! This sturdy tool is made of heavy guage sheet steel and is built for many years of hard service. Has Black Oxide finish to prevent rust.

Part No.	Weight
AJ-5	**16 lbs. 4 oz.**

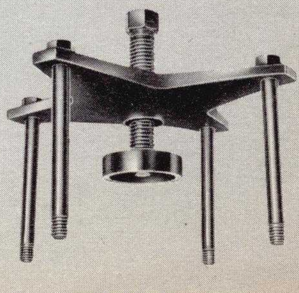


AJ-5

FRONT UNIT COUPLING COVER REMOVER

For 1956-59 Cadillac, Oldsmobile, Pontiac and Nash. Used to remove the cover from the front unit coupling. Pulls the cover evenly and protects precision parts.

Part No.	Weight
AJ-6	**2 lbs. 15 oz.**



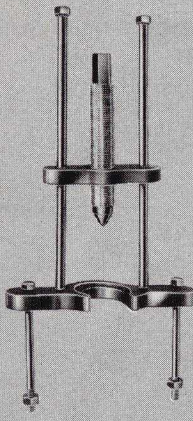
AJ-6

AJ-7

FRONT UNIT COUPLING VALVE RETAINER

For 1956-59 Cadillac, Oldsmobile, Pontiac and Nash. Used as illustrated, in conjunction with the coupling cover remover described above to prevent damage to the exhaust valves and the coupling.

Part No.	No. of Carton	Weight
AJ-7	**Set of 2**	**1 oz.**

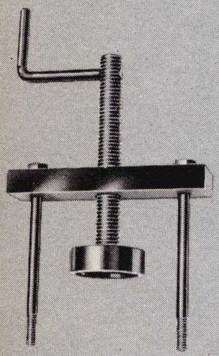


AJ-8

SPEEDOMETER GEAR AND REAR PUMP PULLER

For 1956-59 Oldsmobile, Pontiac and Nash. Puller is designed to remove Speedometer gear and rear oil pump with a minimum of effort. Prevents damage to the rear pump and machined surfaces. Sturdy steel construction.

Part No.	Weight
AJ-8	**3 lbs. 7 oz.**

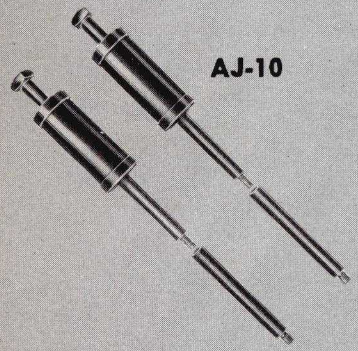


AJ-9

ACCUMULATOR COVER REMOVER AND INSTALLER

For 1956-59 Cadillac, Oldsmobile, Pontiac and Nash. Used to remove and install the accumulator cover preventing the possibility of personal injury or damage to parts.

Part No.	Weight
AJ-9	**1 lb. 1 oz.**

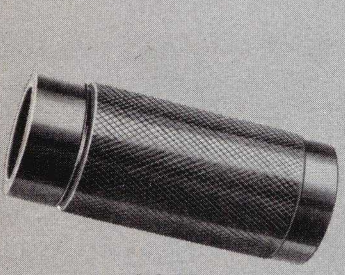


AJ-10

SLIDE HAMMERS

For 1956-59 Cadillac, Oldsmobile, Pontiac and Nash. Used to remove and replace front pump. When used with adapters, can be used to remove the case center support and rear pump. This multi-purpose tool is made of cast steel. Black Oxide finish prevents rust.

Part No.	Weight
AJ-10	**2 lbs.**

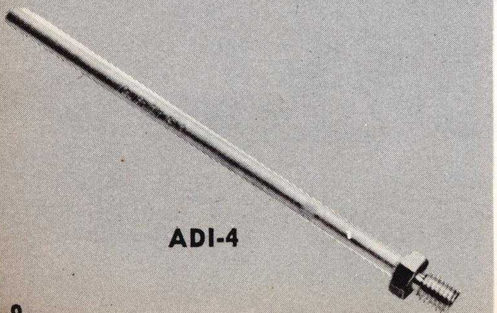


AJ-11

MAIN SHAFT END PLAY CHECKING FIXTURE

For 1956-59 Cadillac, Oldsmobile, Pontiac and Nash. Designed for use with Dial Indicator and Dial Indicator Extention Rod to check main shaft end play. Use of the end play checking fixture will prevent side play and provide for an accurate end play measurement.

Part No.	Weight
AJ-11	**2 lbs. 7 oz.**



ADI-4

DIAL INDICATOR EXTENSION ROD

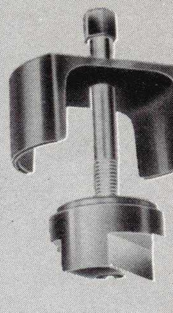
For 1956-59 Cadillac, Oldsmobile, Pontiac and Nash. Used to support the Dial Indicator for checking main shaft end play. To be used with the Mainshaft End Play Checking Fixture and the Dial Indicator as shown in illustration.

Part No.	Weight
ADI-4	**10 oz.**

REAR CLUTCH SPRING COMPRESSOR

For 1956-59 Cadillac, Oldsmobile, Pontiac and Nash. Used to facilitate removal and replacement of the rear clutch retainer snap ring. A real time saver.

Part No.	Weight
AJ-12	**4 lbs.**

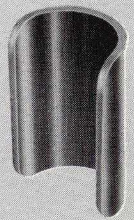


AJ-12

REAR OIL PUMP BEARING AND SPEEDOMETER GEAR INSTALLER

For 1956-59 Oldsmobile, Pontiac and Nash. Used to install the rear oil pump bearing and the Oldsmobile Speedometer Gear Made of sturdy tubular alloy steel. Black Oxide rust-proof finish.

Part No.	Weight
AJ-13	**2 lbs. 2 oz.**



AJ-14

AJ-13

SPEEDOMETER GEAR LOCATING GAUGE

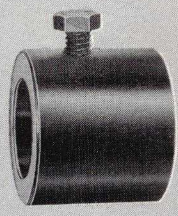
For 1956-59 Oldsmobile. Used to accurately position the Speedometer drive gear on the transmission output shaft

Part No.	Weight
AJ-14	**5 oz.**

REAR UNIT CLUTCH RETAINER

For 1956-59 Cadillac, Oldsmobile, Pontiac and Nash. Used to keep parts assembled when removing and installing the transmission rear unit neutral clutch and case center support. A necessity to the proper assembly of the transmission.

Part No.	Weight
AJ-15	**1 lb.**

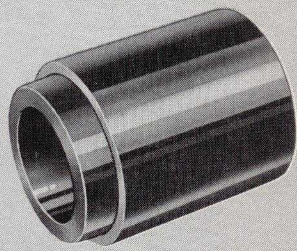


AJ-15

FRONT UNIT END PLAY CHECKING GAUGE

For 1956-59 Cadillac, Oldsmobile, Pontiac and Nash. Used to accurately determine the correct selective spacer for the front planetary gear train.

Part No.	Weight
AJ-16	**I lb. 5oz.**

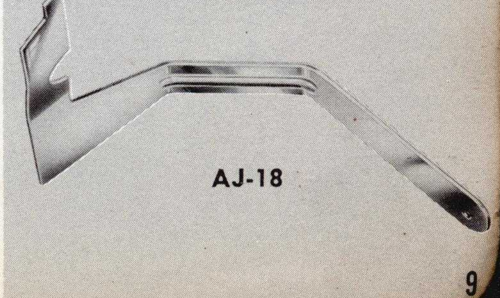


AJ-16

THROTTLE LINKAGE GAUGE

For 1956-59 Oldsmobile. Used to accurately measure the angle of the outer throttle lever. Rigid steel construction assures accurate measurement.

Part No.	Weight
AJ-18	**8 oz.**



AJ-18

UNIVERSAL THROTTLE ARM BENDER

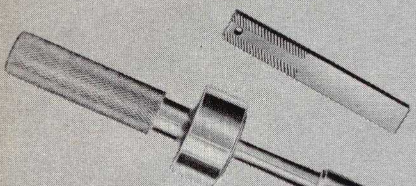
Part No. **ATL-3** (shown on page 3)

UNIVERSAL TOOLS FOR ALL TRANSMISSIONS ARE SHOWN ON PAGES 18, 19, AND 20.

FORDOMATIC TOOLS

These tools apply to the following transmissions unless otherwise specified:

FORD	**1951-58**	**Fordomatic**
FORD	**1958-59**	**Cruise-o-matic**
STUDEBAKER	**1956-59**	**Flightomatic**
MERCURY	**1951-59**	**Mercomatic**
MERCURY	**1958-59**	**Multi Drive**
LINCOLN	**1955-59**	**Turbodrive**
NASH & RAMBLER	**1957-59**	**Flashomatic**

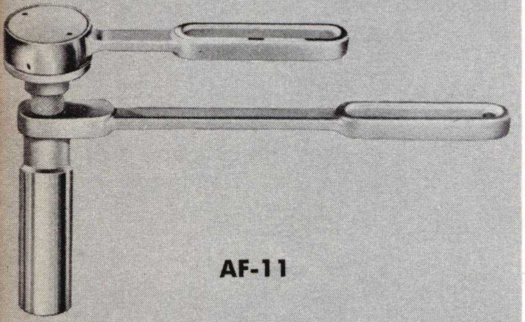


AF-10

FRONT BAND ADJUSTING TOOL

This precision tool is ruggedly made for long service life. **Accurate Friction Disc Torque Screw Driver is pre-set for proper torque, automatically prevents over-tightening of adjusting screws.** Gentle clutch release prevents sudden breakaway and skinned knuckles. Tool complete with carefully machined gauge block.

Part No.	Wgt.
AF-10	**14 oz.**

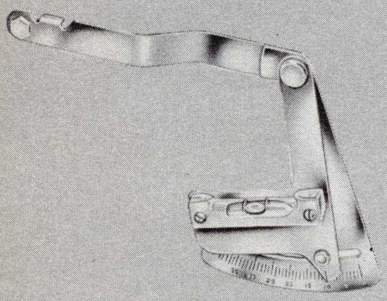


AF-11

REAR BAND ADJUSTING TOOL

Precision-made of finest alloy steel, this useful tool assures fast, accurate adjustment of transmission rear bands. **Friction Disc Torque Wrench accurately pre-set for proper torque on adjusting screw.**

Part No.	Wgt.
AF-11	**3¼ lbs.**

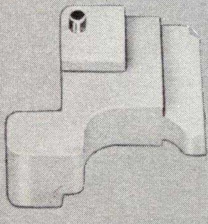


AF-16

THROTTLE LEVER PROTRACTOR GAUGE

For all 1951-56 FORDOMATIC and MERCOMATIC transmissions. Used to check oil pressures in relation to angular movement of the throttle lever shaft as specified by the manufacturer.

Part No.	Wgt.
AF-16	**1 lb.**



AF-18

THROTTLE LINKAGE GAUGE

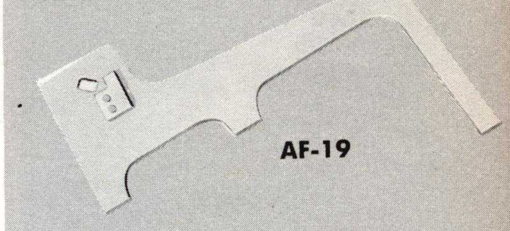
For 1954 FORDOMATIC transmissions. Used to position throttle linkage for accurate adjustment.

Part No.	Wgt.
AF-18	**2 oz.**

THROTTLE LINKAGE GAUGE

For 1951-52-53 FORDOMATIC transmissions. Used to position throttle linkage for accurate adjustment.

Part No.	Wgt.
AF-19	**6 oz.**

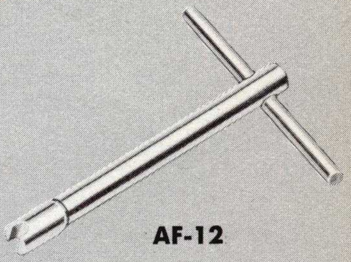


AF-19

THROTTLE VALVE STOP BENDING TOOL

Used to adjust 0 setting of the throttle valve stop.

Part No.	Wgt.
AF-12	**6 oz.**



AF-12

MANUAL SHAFT SEAL INSTALLER

When installing in the transmission case, the seal installer must be used to prevent distortion and damage to seal.

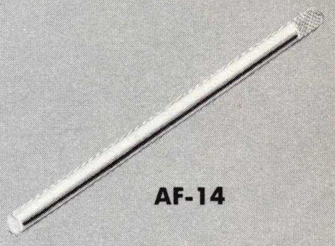
Part No.	Wgt.
AF-13	**½ lb.**

AF-13

THROTTLE LINKAGE CONTROL PIN

Used to position throttle linkage for accurate adjustment.

Part No.	Wgt.
AF-14	**1 oz.**



AF-14

STATOR SPRAG INNER RACE REPLACER

Used to facilitate installation of the inner race to the sprag assembly.

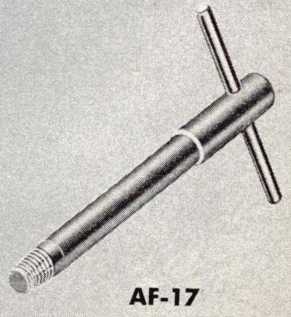
Part No.	Wgt.
AF-15	**1¾ lbs.**

AF-15

REAR PUMP DISCHARGE TUBE REMOVER

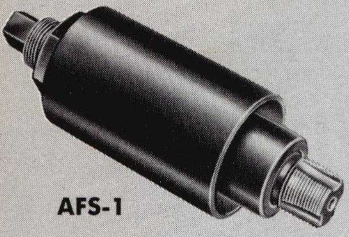
Used to remove discharge tube from the rear pump and transmission case.

Part No.	Wgt.
AF-17	**½ lb.**



AF-17

OUTPUT SHAFT SLEEVE PULLER

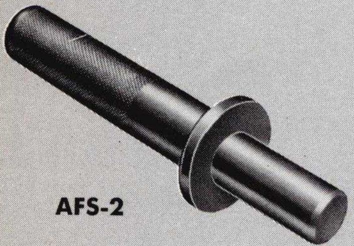


AFS-1

This sturdy Puller reaches into the Output Shaft, grips the Output Shaft Sleeve firmly and pulls it out safely with a minimum of effort. Puller action is simple and positive, making an almost impossible job easy for the mechanic—making it unnecessary to discard the entire Output Shaft assembly when sleeve becomes scored and worn.

Part No.	Wgt.
AFS-1	**4 lbs.**

OUTPUT SHAFT SLEEVE INSTALLER

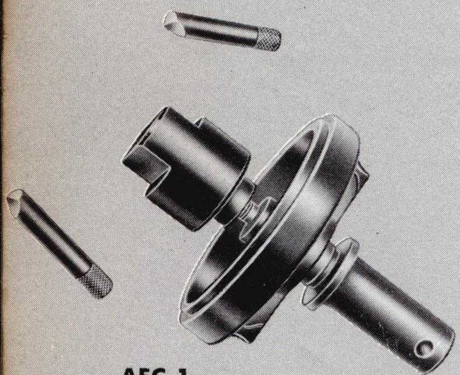


AFS-2

Output Shaft Sleeves can be installed quickly and properly with this precision-made Tool. The Installer seats sleeves accurately and surely without damage to sleeve during installation.

Part No.	Wgt.
AFS-2	**2 lbs. 2 oz.**

FRONT CLUTCH
DIAPHRAGM SPRING COMPRESSOR

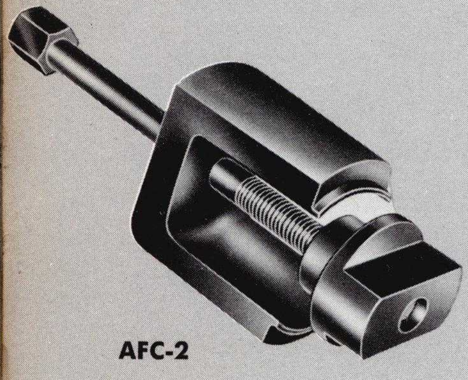


AFC-1

Compressor speeds and simplifies assembly of Front Clutch by eliminating need for a press during installation of Diaphragm Spring Retainer Ring.

Part No.	Wgt.
AFC-1	**6¾ lbs.**

REAR CLUTCH SPRING COMPRESSOR

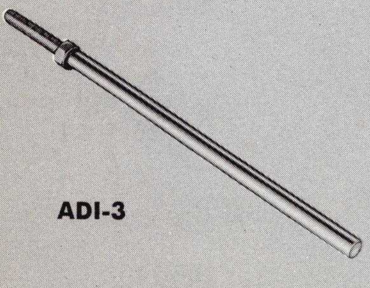


AFC-2

Compressor permits removal of Apply Piston without use of a press by simplifying removal of Clutch Assembly Snap Ring. Safe Drawbolt tension frees both hands for work with other tools and parts.

Part No.	Wgt.
AFC-2	**3 lbs. 2 oz.**

DIAL INDICATOR EXTENSION ROD



ADI-3

Remove front pump attaching bolt and install Dial Indicator extension rod to support Dial Indicator for checking end clearance.

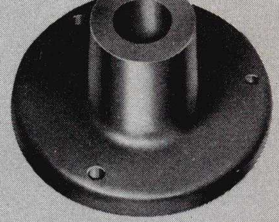
Part No.	Wgt.
ADI-3	**5 oz.**

New Britain

PLANETARY HOLDER

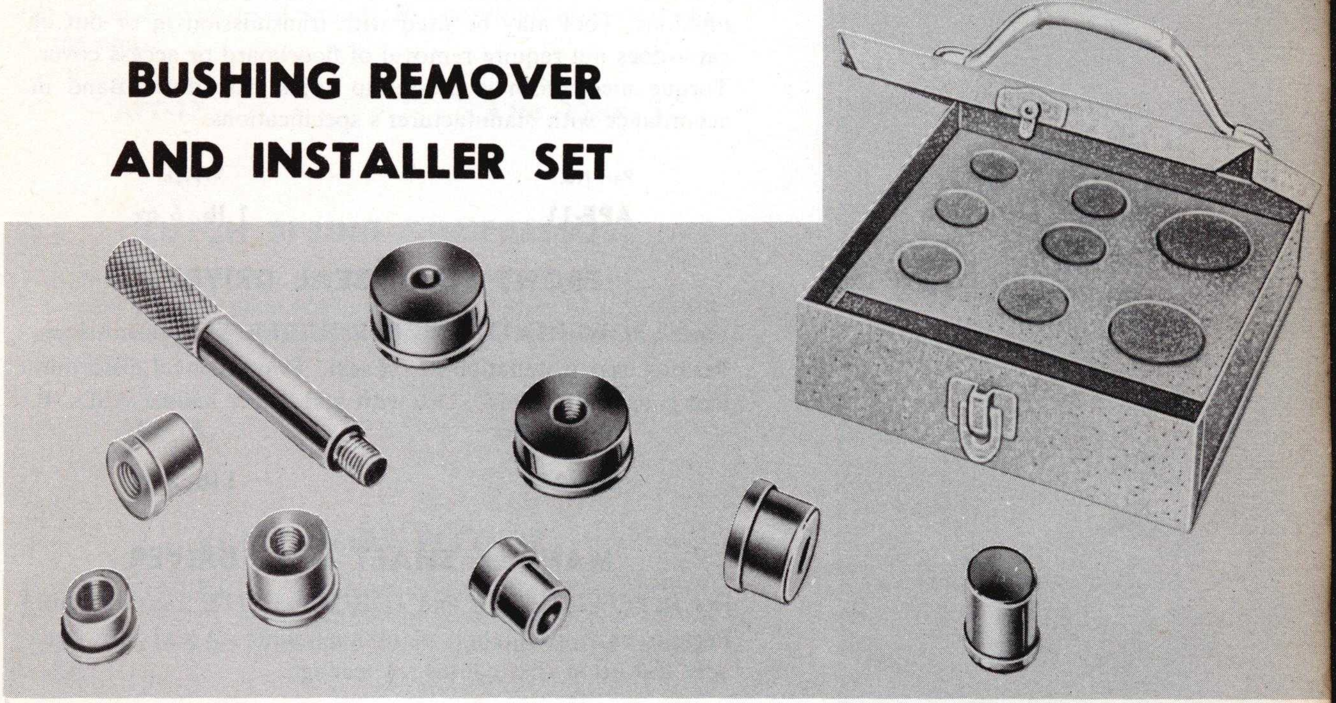
Fixture holds shaft upright as parts are assembled.

Part No.	Wgt.
AFP-3	**3½ lbs.**



AFP-3

BUSHING REMOVER AND INSTALLER SET

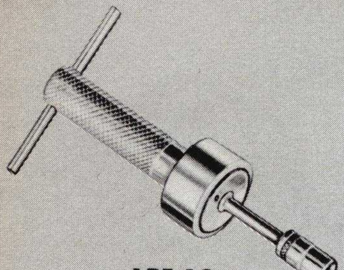


For all 1951-59 FORDOMATIC and MERCOMATIC transmissions. Worn bronze and babbitt bushings can be replaced quickly and easily, without damage to bushings, with these carefully engineered, precision-made Tools. This Set saves time and money by eliminating the need to replace complete transmission components when bushing wear is the only problem.

Part No.	Description	Std. Pkg.
AF-109	Set, complete with Driver and 8 Adapters	**1 Set**
AF-1	Adapter: Rear Pump Bushing — 1951-59	**1**
AF-2	Driver Handle	**1**
AF-3	Adapter: Rear Clutch Sun Gear #A — 1951-59	**1**
AF-4	Adapter: Rear Clutch Sun Gear #B — 1951	**1**
AF-5	Adapter: Rear Clutch Sun Gear #C — 1951-59	**1**
AF-6	Adapter: Pinion Carrier — 1951-59	**1**
AF-7	Adapter: Output Shaft — 1951-55	**1**
AF-8	Adapter: Front Pump Bushing — 1951-59	**1**
AF-9	Adapter: Case Bushing — 1951-59	**1**

POWERFLITE TOOLS

These tools apply to all 1953 to 1959 Powerflite transmissions. They will also apply to all 1956-59 Torque-flite transmissions where indicated.

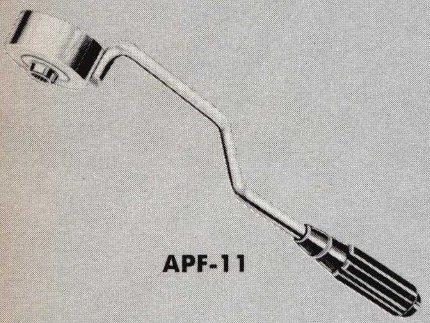


APF-10

REVERSE BAND ADJUSTING TOOL

For all POWERFLITE transmissions. This time-saving Adjusting Tool can be used with transmission in or out of car. Trouble-free torque mechanism is pre-set at proper tension, automatically adjusts Reverse Band to manufacturer's specifications.

Part No.	Weight
APF-10	**14 oz.**



APF-11

KICKDOWN BAND ADJUSTING TOOL

For all POWERFLITE and TORQUE-FLITE transmissions. Tool may be used with transmission in or out of car—does not require removal of floorboard or access cover. Torque mechanism is pre-set to adjust Kickdown Band in accordance with manufacturer's specifications.

Part No.	Weight
APF-11	**1 lb. 6 oz.**

APF-12

FRONT PUMP SEAL DRIVER

For all POWERFLITE and TORQUE-FLITE transmissions. Permits easy installation of oil seal. Prevents seal distortion that causes oil leakage. Use with seal driver handle ASD-7B.

Part No.	Weight
APF-12	**1 lb. 2 oz.**

APF-13

MANUAL SHAFT SEAL DRIVER

For all POWERFLITE and TORQUE-FLITE transmissions. Permits easy installation of manual shaft oil seal. Prevents seal distortion that causes oil leakage.

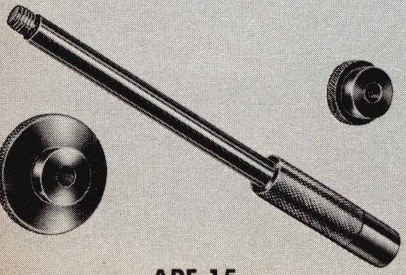
Part No.	Weight
APF-13	**10 oz.**

APF-14

EXTENSION HOUSING REPLACER

For all POWERFLITE and TORQUE-FLITE transmissions. Used to install the rear extension housing to the transmission case.

Part No.	Weight
APF-14	**2 lbs. 2 oz.**



APF-15

EXTENSION HOUSING BEARING REMOVER AND REPLACER

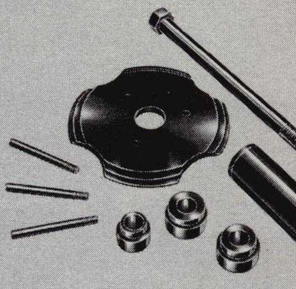
For all POWERFLITE and TORQUE-FLITE transmissions. This tool permits easy removal and installation of the extension housing bearing without damage to the housing or bearing.

Part No.	Description	Weight
APF-15	Tool complete	**2 lbs. 5 oz.**
APF-15 -1	Adapter for Bearing Remover	
APF-15 -2	Adapter for Bearing Replacer	
APF-15 -3	Driver Handle	

REACTION SHAFT REMOVER AND REPLACER

For all POWERFLITE Transmissions. This tool is used to remove the reaction shaft easily without damage to the shaft or case.

Part No.	Weight
APF-16	**8 lbs. 2 oz.**

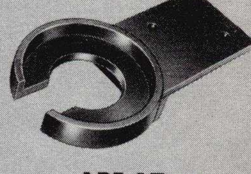


APF-16

PLANETARY GEAR TRAIN HOLDING FIXTURE

For all POWERFLITE transmissions. This fixture supports the planetary gear train and clutch permitting easy assembly of the unit.

Part No.	Weight
APF-17	**4 lbs. 15 oz.**

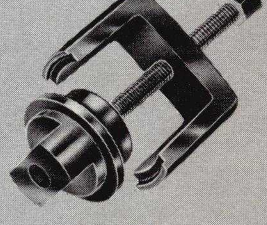


APF-17

CLUTCH SPRING COMPRESSOR

For all POWERFLITE and TORQUE-FLITE transmissions. This tool permits easy removal or installation of the clutch spring retainer snap ring. May also be used for other pressing operations.

Part No.	Weight
APF-18	**3 lbs. 6 oz.**

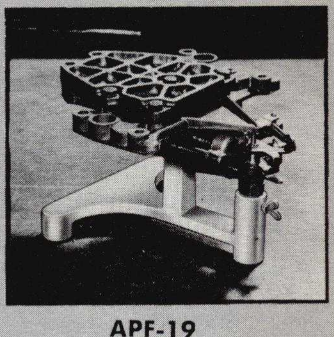


APF-18

VALVE BODY FIXTURE

For all POWERFLITE transmissions. This fixture permits the valve body to be held firmly in place during disassembly and assembly without damage to the part as shown in illustration.

Part No.	Weight
APF-19	**1 lb.**

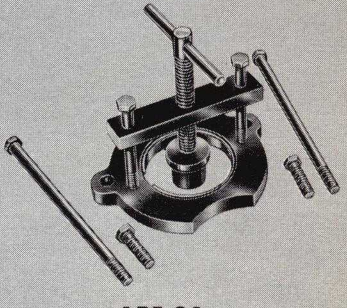


APF-19

EXTENSION HOUSING PULLER

For all POWERFLITE and TORQUE-FLITE transmissions. This multi-purpose tool may be used to remove the transmission extension housing, front pump and pressure regulator housing.

Part No.	Weight
APF-20	**4 lbs.**

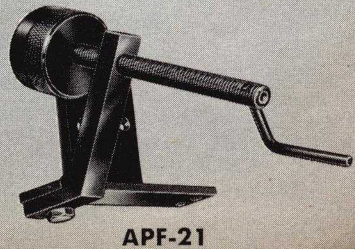


APF-20

SERVO SPRING COMPRESSOR

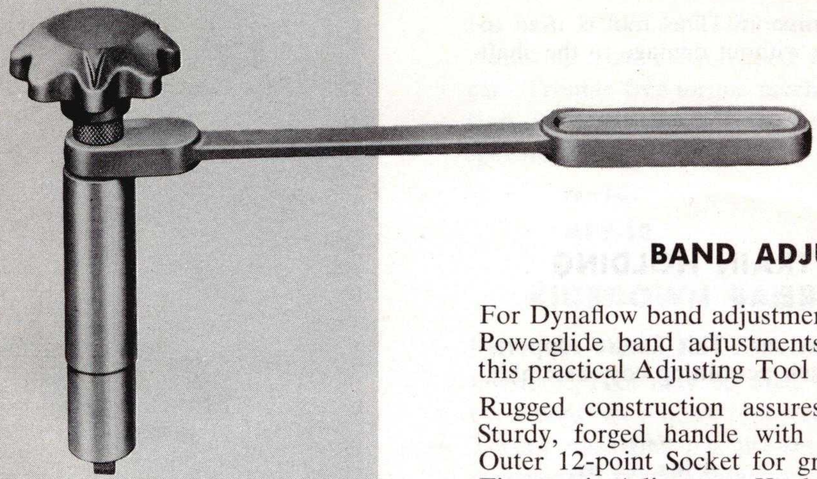
For all POWERFLITE and TORQUE-FLITE transmissions. This tool is used to compress the Kickdown or the Reverse Servo Springs permitting easy disassembly or assembly of the Servo units.

Part No.	Weight
APF-21	**2 lbs. 7 oz.**



APF-21

Dynaflow and Powerglide Transmission Tools



ADP-10

BAND ADJUSTING TOOL

For Dynaflow band adjustments on all 1948-1959 Buicks, and Powerglide band adjustments on all 1950-1953 Chevrolets: this practical Adjusting Tool makes accurate adjustment easy.

Rugged construction assures years of trouble-free service. Sturdy, forged handle with comfortable hand-hugging grip. Outer 12-point Socket for gripping adjusting-screw lock nut. Finger-grip Adjustment Knob with pointer, and inner blade for setting adjusting screw.

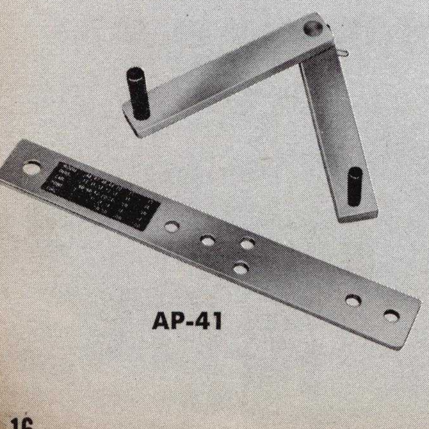
Part No.	Length	Wgt.
ADP-10	11¾″	2 lb.

ADP-11

HEX ADAPTER FOR 1953-59 CHEVROLETS

Easily attaches to ADP-10 for adjustment of 1953-59 Chevrolet transmissions.

Part No.	Length	Wgt.
ADP-11	¹⁵⁄₁₆″	¼ Lb.



AP-41

OUTER LEVER POSITIONING GAUGE

For all 1953-59 Powerglide Transmissions.

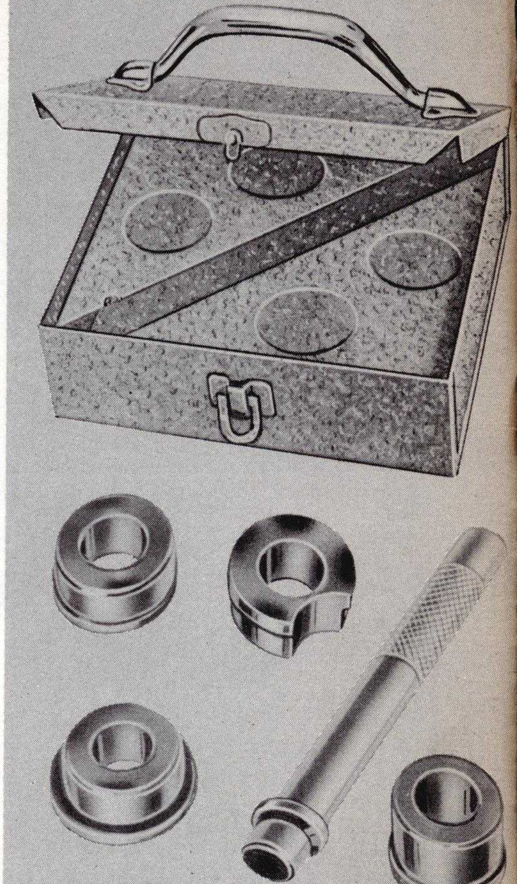
Used to accurately position the transmission outer throttle lever in accordance with manufacturers' specifications. Adjustable for use on all years, both 6 and 8 cylinder models.

Part No.	Length	Wgt.
AP-41	8 ″	13 oz.

BUSHING REMOVER AND INSTALLER SET FOR POWERGLIDE TRANSMISSIONS

Worn bronze and babbitt bushings can be replaced quickly and easily, without damage to bushings, with these carefully engineered, precision-made Tools. This Set saves time and money by eliminating the need to replace complete transmission components when bushing wear is the only problem.

Part No.	Description	Std. Pkg.
AP-6	Set, complete with Driver and 4 Adapters	**1 Set**
AP-1	Driver Handle	1
AP-2	Adapter: Transmission Case Rear Bushing Remover	1
AP-3	Adapter: Transmission Case Rear Bushing Installer	1
AP-4	Adapter: Clutch Bushing	1
AP-5	Adapter: Front Pump Bushing	1

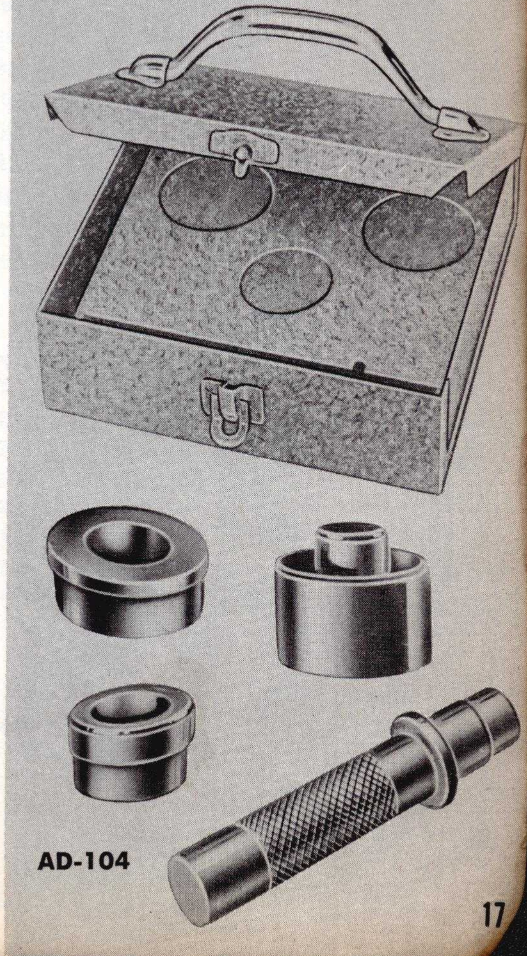


AP-6

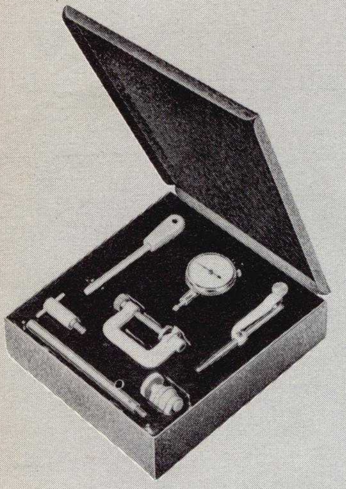
BUSHING REMOVER AND INSTALLER SET FOR DYNAFLOW TRANSMISSIONS

Worn bronze and babbitt bushings can be replaced quickly and easily, without damage to bushings, with these carefully engineered, precision-made Tools. This Set saves time and money by eliminating the need to replace complete transmission components when bushing wear is the only problem.

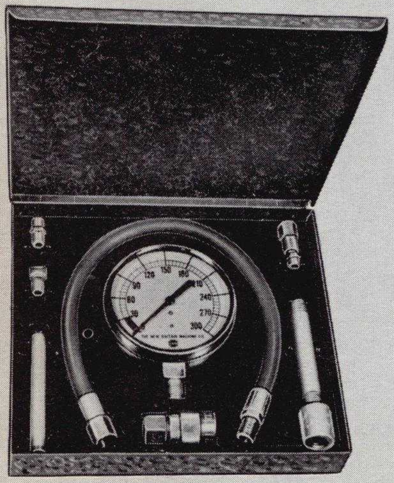
Part No.	Description	Std. Pkg.
AD-104	Set, complete with Driver and 3 Adapters	**1 Set**
AD-3	Driver Handle: Also used as Rear Extension Housing Bushing Driver	1
AD-4	Adapter: Transmission Case Bushing	1
AD-5	Adapter: Front Pump Bushing	1
AD-6	Adapter: Reaction Flange Bushing	1



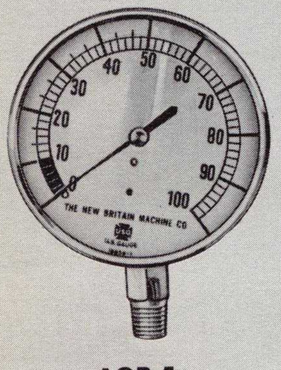
AD-104



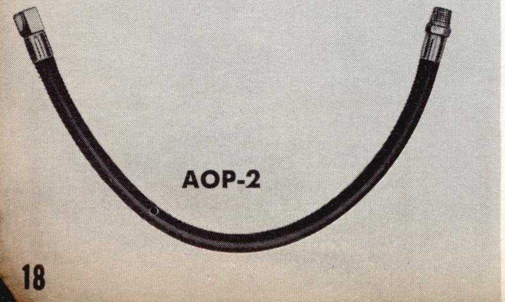
ADI-1



AOP-1



AOP-5



AOP-2

New Britain

DIAL INDICATOR

For all automatic transmissions. This handy Gauge is useful for many service operations on automatic transmissions, as well as during repair of engines, differentials, standard transmissions, clutches, etc., in accordance with car manufacturers' instructions.

Part No.	Weight
ADI-1	**3 lbs. 4 oz.**

OIL PRESSURE GAUGE

For all automatic transmissions. Proper operation of the automatic transmissions is dependent upon correct oil pressure at all operating speeds in all driving ranges and under all driving conditions. The Gauge is used to determine whether oil pressures are within car manufacturers' specifications and as an aid to diagnosing various transmission troubles. Reading up to 300 lbs. pressure, this Gauge has a 3½″ face with colored scale graduations for easier reading and incorporates a damper to absorb minor pressure surges, providing greater accuracy and preventing damage to Gauge. Complete with adapters and fittings for all automatic transmissions, 18″ flexible hose and quick-change couplings to facilitate installation. All packed in a sturdy metal case. Gauge is durable and accurate, provides large capacity for a variety of tests.

Part No.	Weight
AOP-1	**3 lbs. 4 oz.**

OIL PRESSURE GAUGE (Low Pressure)

Used for checking oil pressure of less than 100 lbs. This gauge has a 3½″ face with readings from 0 to 100 lbs. The lower range permits easier and more accurate readings when checking low pressures such as POWERFLITE transmission throttle pressure adjustment.

Part No.	Weight
AOP-5	**10 oz.**

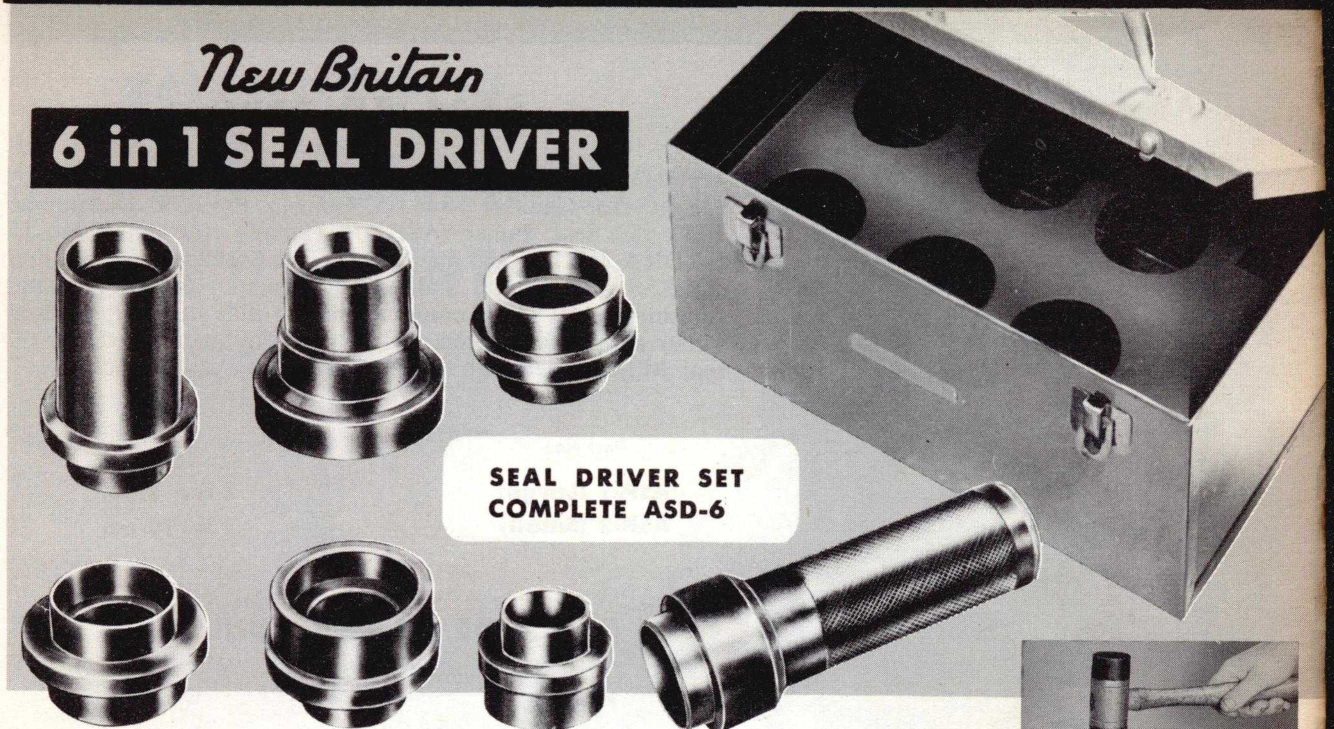
OIL PRESSURE GAUGE EXTENSION HOSE

For all automatic transmissions. Used to take an oil pressure reading under operating conditions.

Part No.	Length	Weight
AOP-2	**6′**	**4 oz.**

New Britain

6 in 1 SEAL DRIVER



SEAL DRIVER SET COMPLETE ASD-6

ASD-8 ADAPTER DRIVER
For driving all Adapters in Seal Driver Set ASD-6

ASD-1
FRONT PUMP SEAL DRIVER
For use on all Dynaflow Automatic Transmissions through 1955.

ASD-2
FRONT PUMP SEAL DRIVER
For use on all Powerglide Automatic Transmissions through 1955.

ASD-3
OUTPUT SHAFT SEAL DRIVER

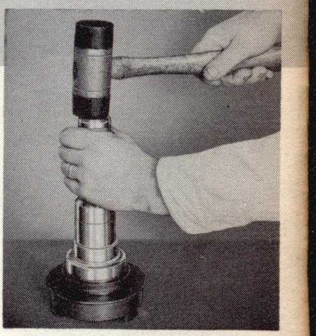
Cadillac:	**1946-1955**
Lincoln:	**1949-1955**
Oldsmobile:	**1952-1955**

ASD-4
OUTPUT SHAFT SEAL DRIVER

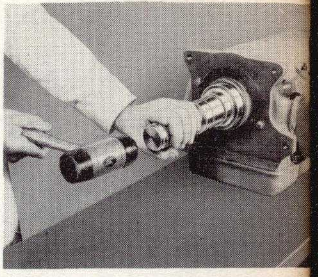
Oldsmobile:	**1940-1942** **1946-1951**
Pontiac:	**1948-1955**
Kaiser:	**1950-1955**
Nash:	**1950-1955**
Hudson:	**1950-1955**
Ford:	**1950-1959**

This one Tool combination, the Seal Driver Set, replaces more than a dozen individual tools costing many times more. For Hydramatic, Dynaflow, Powerglide, Fordomatic and Mercomatic, this money-making Tool speeds servicing of Cadillac, Oldsmobile, Pontiac, Kaiser, Nash, Hudson, Lincoln, Buick, Chevrolet, Ford and Mercury automatic transmissions. The rugged, top quality alloy steel Seal Driver Set, with rust-proof Black Oxide finish, provides the right combination for installing both front and rear oil seals FAST and EASY. Permits installation of seals without removing pumps from transmissions. Proper fit prevents the seal distortion that causes oil leakage.

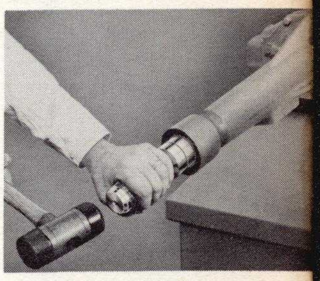
Part No.	No. in Pkg.
ASD-6	**1 Set**
ASD-1	**1 ea.**
ASD-2	**1 ea.**
ASD-3	**1 ea.**
ASD-4	**1 ea.**
ASD-5	**1 ea.**
ASD-7	**1 ea.**
ASD-8	**1 ea.**



Replacing Front Seal (Oil Pump Removed)



Replacing Hydra-matic Front Pump Oil Seal



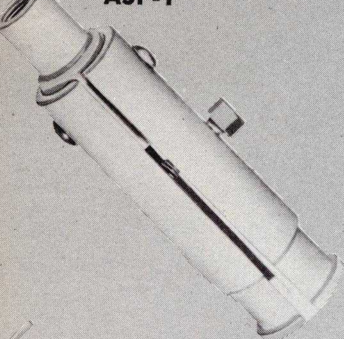
Replacing Hydra-matic Rear Oil Seal

ASD-5
FRONT PUMP SEAL DRIVER
For use on all Fordomatic Transmissions through 1959 and 1953-59 POWERGLIDE. Also 1955-59 DYNAFLOW.

ASD-7
FRONT PUMP SEAL DRIVER
For use on all Hydra-matic Transmissions from 1946 through 1955.

SEAL PULLERS

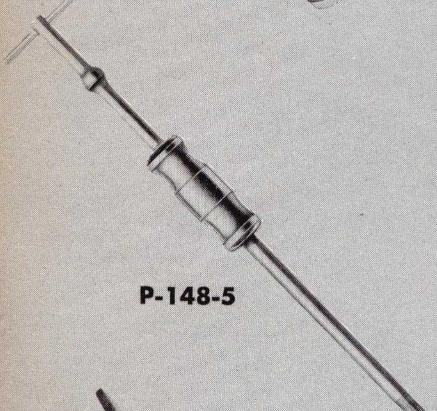
ASP-1



For HYDRA-MATIC transmissions: Seal Puller ASP-1 (Large) for Cadillac 1946-55, Lincoln 1949-54, Oldsmobile 1952-55; Seal Puller ASP-2 (Small) for all 1946-55 HYDRA-MATIC transmissions except Cadillac, Lincoln, and 1952-55 Oldsmobile, and for Fordomatic and Mercomatic transmissions. Used in conjunction with slide hammer, the Seal Puller permits quick removal of the rear bearing retainer oil seal. May be used with transmission in or out of vehicle.

Part No.	Wgt.
ASP-1 (Large)	**2 lbs. 5 oz.**
ASP-2 (Small)	**1 lb. 12 oz.**

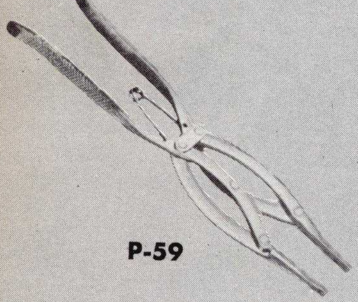
SLIDE HAMMER ONLY



P-148-5

Part No.		Wgt.
P-148-5	Used with ASP-1 and ASP-2 Seal Puller	**4 lbs. 12 oz.**

SNAP RING PLIERS

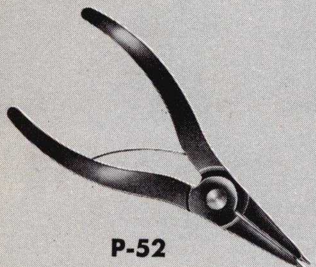


P-59

Pliers remove snap rings quickly and easily without damaging snap rings or bearing surfaces.

Part No.	Wgt.
P-59	**4 oz.**

TRU-ARC PLIERS NO. 2

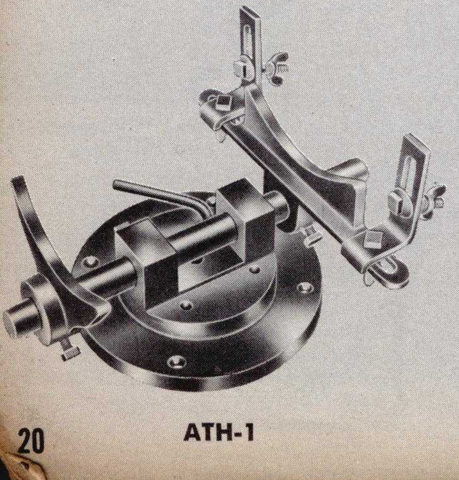


P-52

For 1956-57 Cadillac, Oldsmobile, Pontiac and Nash. Used to remove and replace tru-arc snap rings throughout the transmission.

Part No.	Wgt.
P-52	**2 oz.**

TRANSMISSION HOLDING FIXTURE

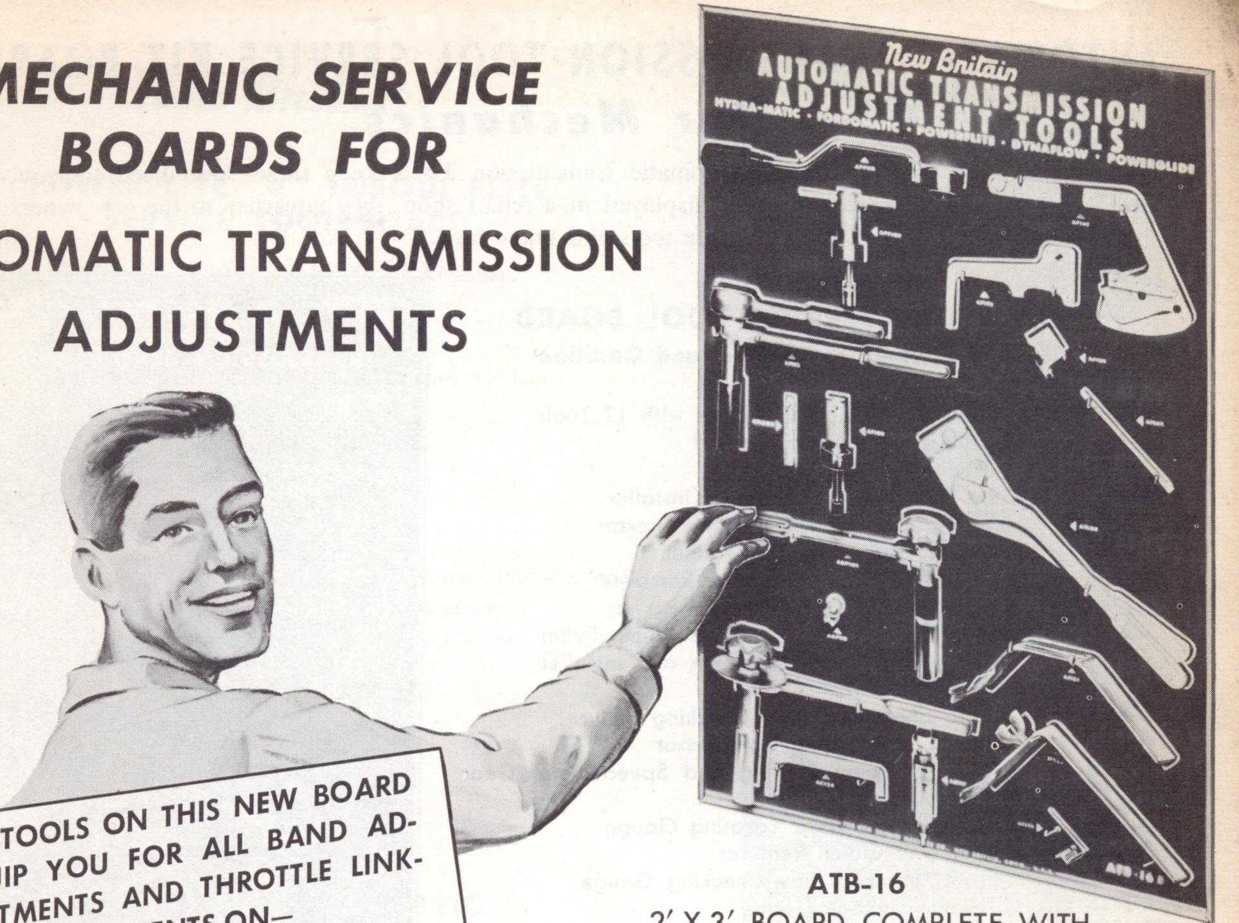


ATH-1

For all HYDRA-MATIC, FORDOMATIC, MERCOMATIC, POWERFLITE, TORQUE-FLITE, and standard transmissions. This universal tool can be used for most automatic and standard transmissions to support the unit in any working position. Swivels full 360° to facilitate easy disassembly and assembly of transmission.

Part No.	Wgt.
ATH-1	**19½ lbs.**

MECHANIC SERVICE BOARDS FOR AUTOMATIC TRANSMISSION ADJUSTMENTS


New Britain
AUTOMATIC TRANSMISSION ADJUSTMENT TOOLS
HYDRA-MATIC · FORDOMATIC · POWERFLITE · DYNAFLOW · POWERGLIDE
ATB-16

ATB-16

2′ X 3′ BOARD COMPLETE WITH ALL 16 TOOLS LISTED BELOW.

THE TOOLS ON THIS NEW BOARD EQUIP YOU FOR ALL BAND ADJUSTMENTS AND THROTTLE LINKAGE ADJUSTMENTS ON—

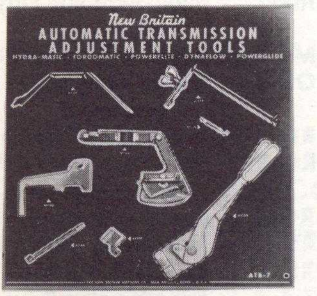
HYDRA-MATIC	POWERGLIDE
MERCOMATIC	JETAWAY
POWERFLITE	DYNAFLOW
FORDOMATIC	STRATOFLITE

OR

TWO SEPARATE MATCHING BOARDS ARE AVAILABLE

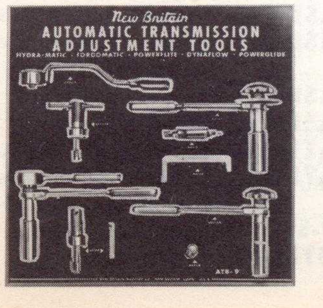
NO. ATB-7

FOR THROTTLE LINKAGE TOOLS ONLY


New Britain
AUTOMATIC TRANSMISSION ADJUSTMENT TOOLS
HYDRA-MATIC · FORDOMATIC · POWERFLITE · DYNAFLOW · POWERGLIDE
ATB-7

NO. ATB-9

FOR BAND ADJUSTMENT TOOLS ONLY


New Britain
AUTOMATIC TRANSMISSION ADJUSTMENT TOOLS
HYDRA-MATIC · FORDOMATIC · POWERFLITE · DYNAFLOW · POWERGLIDE
ATB-9

NO. ATB-7
2′ X 2′ DISPLAY BOARD COMPLETE

AF-14	Fordomatic Throttle Linkage Control Pin
AF-16	Fordomatic Throttle Lever Protractor Gauge
AF-18	Fordomatic Throttle Linkage Gauge (1954)
AF-19	Fordomatic Throttle Linkage Gauge (1951-52-53)
AJ-18	Throttle Linkage Gauge
ATL-2	Un. Throttle Arm Gauge with Pins
ATL-3	Un. Throttle Arm Bender

NO. ATB-9
2′ X 2′ DISPLAY BOARD COMPLETE

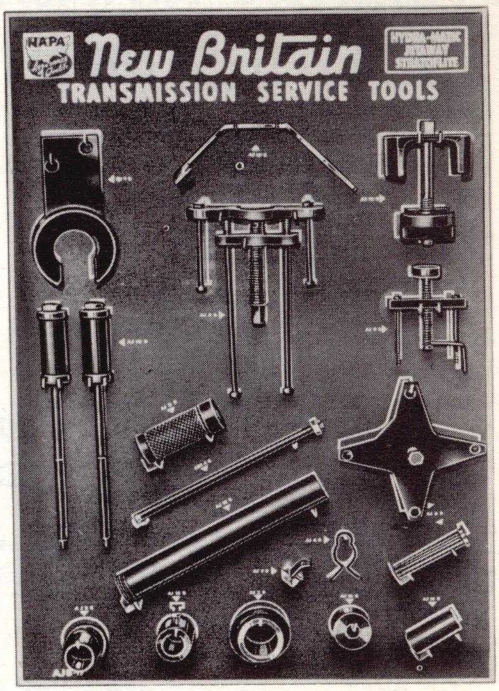
ADP-10	Dynaflow-Powerglide Band Adjusting Tool
ADP-11	Hex. Adpt. for ADP-10
AF-10	Fordomatic-Mercomatic Front Band Adj. Tool
AF-11	Fordomatic-Mercomatic Rear Band Adj. Tool
AH-10	Hydra. Front and Rear Band Adj. Tool (Ext.)
AH-11	Hydra. Front Band Adj. Tool (Int.)
AH-12	Hydra. Rear Band Adj. Gauge (Internal)
APF-10	Powerflite Reverse Band Adjusting Tool
APF-11	Powerflite Kick-down Band Adjusting Tool

AUTOMATIC TRANSMISSION TOOL SERVICE KIT BOARDS
for Mechanics

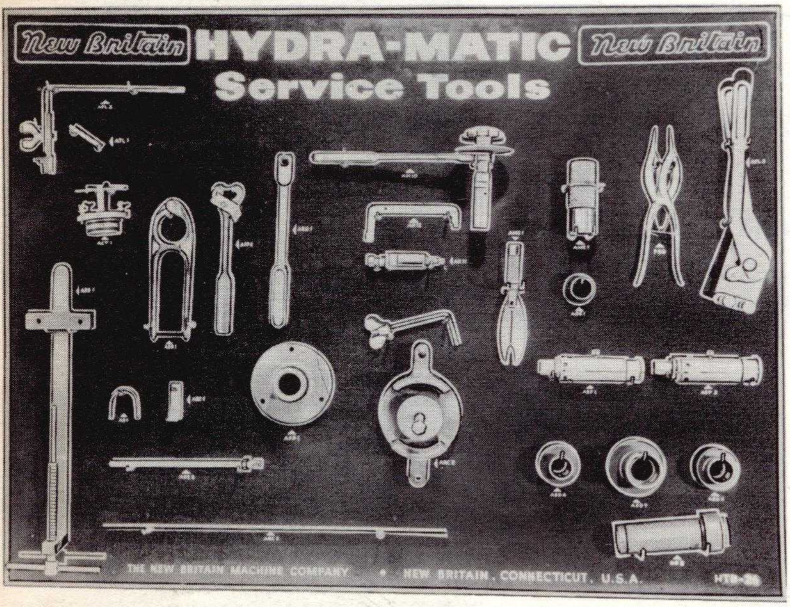
Complete Service Kit Boards for Automatic transmission Tools keep these specialized tools always within easy reach. When prominently displayed in a repair shop, they advertise to the car owners that this is a progressive shop with up to date tools and know how.

AJB-17
HYDRA-MATIC SERVICE TOOL BOARD
1956-57 Oldsmobile, Pontiac, and Cadillac

Part No.	Description
AJB-17	Service Kit Board Complete with 17 Tools
ADI-4	Dial Indicator Extension Rod
AJ-1	Clutch Unit Holding Fixture
AJ-2	Flywheel Housing Oil Seal Installer
AJ-3	Flywheel Housing Oil Seal Protector
AJ-4	Reverse Drive Flange Retainer
AJ-6	Front Unit Coupling Cover Remover
AJ-7	Front Unit Coupling Valve Retainer
AJ-8	Speedometer Gear and Rear Pump Puller
AJ-9	Accumulator Cover Remover and Installer
AJ-10	Slide Hammers
AJ-11	Main Shaft End Play Checking Fixture
AJ-12	Rear Clutch Spring Compressor
AJ-13	Rear Oil Pump Bearing and Speedometer Gear Installer
AJ-14	Speedometer Gear Locating Gauge
AJ-15	Rear Unit Clutch Retainer
AJ-16	Front Unit End Play Checking Gauge
AJ-18	Throttle Linkage Gauge
AJBB-17	Display Board Only



HTB-26
HYDRA-MATIC SERVICE TOOL BOARD
1946-55 Oldsmobile, Cadillac, Pontiac, Lincoln, Nash and Hudson


New Britain
HYDRA-MATIC
New Britain
Service Tools
THE NEW BRITAIN MACHINE COMPANY • NEW BRITAIN, CONNECTICUT, U.S.A.
HTB-26

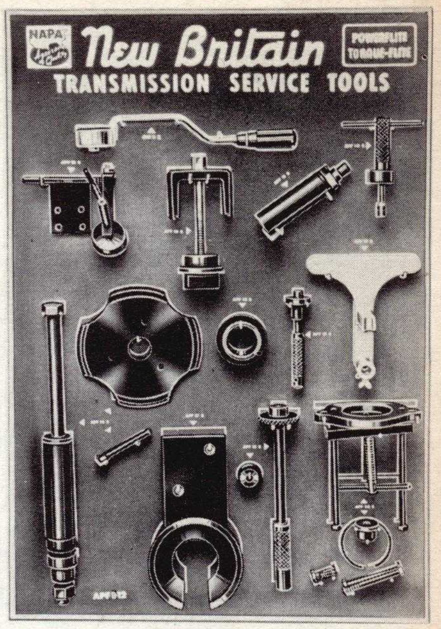
Part No.	Description
HTB-26	Service Kit Board with 26 Hydra-Matic Transmission Service Tools
ACT-1	Front & Rear Clutch Tester
ADI-2	Dial Indicator Extension Rod
AFP-1	Front Planetary Holder
AFP-2	Front Pump Holder
AGS-1	Governor Sleeve Aligning Tool
AH-10	Hydra-Matic Front & Rear Band Adjusting Tool (External)
AH-11	Hydra-Matic Front Band Adjusting Tool (Internal)
AH-12	Hydra-Matic Rear Band Adjustment Gauge (Internal)
AME-1	Main Shaft End Play Checking Tool
AMS-1	Open-Type Snap Ring Remover
AOD-1	Oil Delivery Sleeve Ring Compressor
ARC-1	Rear Clutch Retaining Bracket
ARC-2	Multi-Purpose Clutch Spring Compressor
ARC-3	Reverse Cone Clutch Installer
ARS-1	Rear Servo Spring Compressor
ARU-1	Rear Unit Holding Tool
AS-1	Speedometer Drive Gear Spacer Gauge
ASD-3	Output Shaft Seal Driver
ASD-4	Output Shaft Seal Driver
ASD-7	Front Pump Seal Driver
ASD-8	Adapter Driver for ASD-3 , ASD-4 , ASD-7
ASP-1	Seal Puller (large)
ASP-2	Seal Puller (small)
ATL-2	Universal Throttle Arm Gauge
ATL-3	Universal Throttle Arm Bender with Throttle Linkage Pins
P-59	Snap Ring Pliers
HTBB-26	Display Board only

New Britain

POWERFLITE • TORQUE-FLITE SERVICE TOOL BOARD

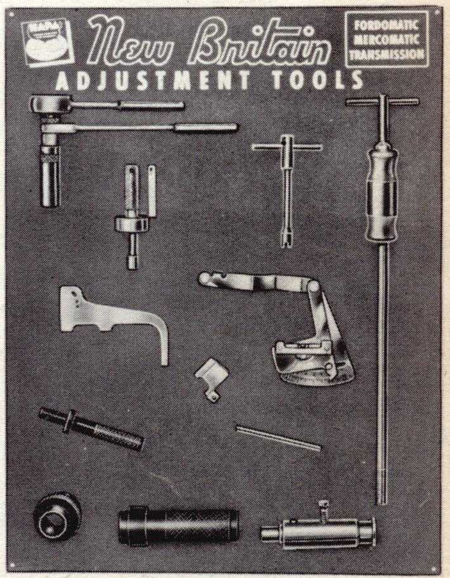
Plymouth, Dodge, DeSoto, Chrysler, and Imperial Cars

Part No.	Description
APFB-12	Service Kit Board Complete with 12 Tools
APF-10	Reverse Band Adjusting Tool
APF-11	Kickdown Band Adjusting Tool
APF-12	Front Pump Seal Driver
APF-13	Manual Shaft Seal Driver
APF-14	Extension Housing Replacer
APF-15	Extension Housing Bearing Remover and Replacer
APF-16	Reaction Shaft Remover and Replacer
APF-17	Planetary Gear Train Holding Fixture
APF-18	Clutch Spring Compressor
APF-19	Valve Body Fixture
APF-20	Extension Housing Puller
APF-21	Servo Spring Compressor
APFBB-12	Display Board Only


NAPA
New Britain
POWERFLITE TORQUE-FLITE
TRANSMISSION SERVICE TOOLS

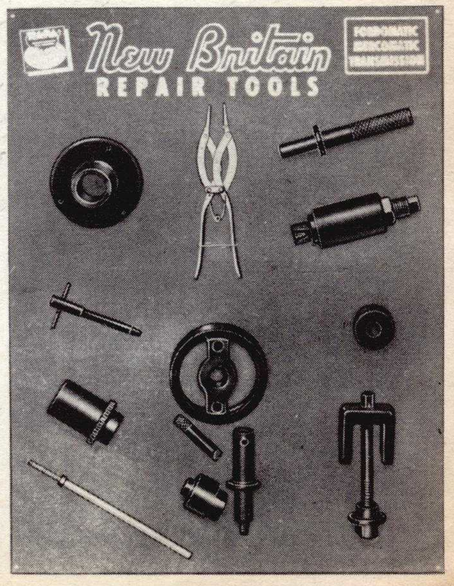
FORDOMATIC • MERCOMATIC ADJUSTMENT TOOL BOARD

Part No.	Description
AFB-12	Service Kit Board Complete with 12 Adjustment Tools
AF-10	Front Band Adjusting Tool
AF-11	Rear Band Adjusting Tool
AF-12	Throttle Valve Stop Bending Tool
AF-13	Manual Shaft Seal Installer
AF-14	Throttle Linkage Control Pin
AF-16	Throttle Lever Protractor Gauge
AF-18	Throttle Linkage Gauge (1954)
AF-19	Throttle Linkage Gauge (1951,52,53)
ASD-4	Output Shaft Seal Driver
ASD-8	Adapter Driver For ASD-4 , ASD-5 , and ASD-8
ASP-2	Seal Puller
P148-5	Slide Hammer
AFBB-12	Display Board Only


NAPA
New Britain
FORDOMATIC MERCOMATIC TRANSMISSION
ADJUSTMENT TOOLS

FORDOMATIC • MERCOMATIC REPAIR TOOL BOARD

Part No.	Description
AFB-10	Service Kit Board Complete with 10 Repair Tools
ADI-3	Dial Indicator Extension Rod
AF-15	Stator Sprag Inner Race Replacer
AF-17	Rear Pump Discharge Tube Remover
ASD-5	Front Pump Seal Driver
AFC-1	Front Clutch Diaphragm Spring Compressor
AFC-2	Rear Clutch Spring Compressor
AFP-3	Planetary Holding Fixture
AFS-1	Output Shaft Sleeve Puller
AFS-2	Output Shaft Sleeve Installer
P-59	Snap Ring Pliers
AFBB-10	Display Board Only


NAPA
New Britain
FORDOMATIC MERCOMATIC TRANSMISSION
REPAIR TOOLS

INDEX

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AD-5	17	Adapter: Dynaflow Front Pump Bushing
AD-6	17	Adapter: Dynaflow Reaction Flange Bushing
AD-104	17	Dynaflow Bushing Remover & Installer Set
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ADI-2	6	Dial Indicator Ext. Rod
ADI-3	12	Fordomatic Dial Indicator Rod
ADI-4	8	Dial Indicator Rod
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AF-4	13	Adapter: Fordomatic Rear Clutch Sun Gear No. B
AF-5	13	Adapter: Fordomatic Rear Clutch Sun Gear No. C
AF-6	13	Adapter: Fordomatic Pin. Carrier
AF-7	13	Adapter: Fordomatic Output Shaft
AF-8	13	Adapter: Fordomatic Front Pump Bushing
AF-9	13	Adapter: Fordomatic Case Bushing
AF-10	10	Fordomatic-Mercomatic Front Band Adj. Tool
AF-10G	10	Gauge Block for AF10
AF-11	10	Fordomatic-Mercomatic Rear Band Adj. Tool.
AF-12	12	Fordomatic Throttle Valve Stop Bending Tool.
AF-13	12	Fordomatic Manual Shaft Seal Installer.
AF-14	10	Fordomatic Throttle Linkage Control Pin.
AF-15	12	Fordomatic Stator Sprag Inner Race Replacer
AF-16	10	Fordomatic Throttle Lever Protractor Ga.
AF-17	12	Fordomatic Rear Pump Discharge Tube Remover .
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AFS-2	12	Fordomatic Output Shaft Sleeve Installer
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AH-3	6	Rear Clutch Drum Adapter
AH-4	6	Oil Delivery Sleeve Adapter
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AH-6	6	Reverse Internal Gear Bushing Adapter
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U.S.A.